M. A. R. 57 (Rule 116)
Measurement Book

No. B 341608

Serial No. 1st & Final Bill

Name of Work Improvements to roads at Chikkasandra Main road near Sapthagiri College in SSD From ..... To .....

Name of Contractor or nature of Agency Technical Manager (West) JSL-012-13-000021

Date of commencement of work NOER/DD/WO/440/12-13 Dt- 8/3/13 Est cost:- 25.0 lakhs

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
I-1	Earth work - excavation by manual means in ordinary soil involving an average horizontal throw upto 2 meter and an average lift upto 0.5m excavated surface leveled & sides neatly dressed the disposed earth to be levelled neatly after breaking of clods complete as per specifications. Qty vide pg no. 3+16 4½ of this M.B.					863.27 cum @ 65.88 Rs- 56872.00	
I-2	construction of granular Sub-base by providing close graded material mixing in a mechanical mix plant at OMC carriage of mixed materials to work site						

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MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions: Number	Length	Breadth	Depth	Contents	Reference to last Measurement
1	2	3	4	5	6	7	8
	Spreading complete as per specifications.					369.97	
	as vide pg no 341645/2 of this M.B					@ 1060=56	
						Rs- 392375:00	
I-3.	Providing, laying spreading and compacting stone aggregate to wet mix macadam specifications including premixing the material with water at one in mechanical mix plant carriage of mixed material by tipper to site laying in uniform layer with paver in sub-base course on well prepared surface complete as per specifications						
	as vide pg no 341646/2 of this M.B.					493.30 cum	
						@ 1121:04	
						Rs- 553009:00	

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No. B 341609

Serial No. .....
Name of Work ..... From..... To.....
Name of Contractor of nature of Agency .....
Date of commencement of work .....

Date	Full description, etc, of work	Dimensions: Number	Length	Breadth	Depth	Contents	Reference to last Measurement
1	2	3	4	5	6	7	8
J-4	~~Tack coat~~ providing & applying ~~tack coat~~ Primer coat with bitumen emulsion using emulsion pressure distributor at the rate of 0.60 kg/sqm on the prepared bituminous granular surface complete as per specifications.						
	as vide pg no. 341647/2 of this M.B.					2466.50 sqm	
						@ 44:28 Rs- 109216:00	
J-5	providing and laying semi dense bituminous concrete 85mm thick with 100-120 TPH batch type HMP producing an average output of 75 tonnes per hour using crushed aggregates of specification 4.5 to 5% of mix & filler						

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Est. 3 ✓✓

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	Transporting the hot mix to work Site laying with hydrostatic paver finisher with sensor control to the required grade level & alignment, rolling with smooth wheeled Vibratory & tandem roller to achieve the desired compaction 25-30 mm compacted thickness with 5% bitumen 80/100 grade (grading-II)						
		1	30.0	6.0+6.0 / 2	x 0.025	= 4.50 cum	
		1	30.0	6.0+6.0 / 2	x 0.025	= 4.50 cum	
		1	19.0	6.0+6.0 / 2	x 0.025	= 2.85 cum	
		1	30.0	6.2+6.0 / 2	x 0.025	= 4.61 cum	
		1	30.0	6.1+5.5 / 2	x 0.025	= 4.23 cum	

Avg.

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No. B 341610

Serial No. .....
Name of Work ..... From..... To.....
Name of Contractor of nature of Agency .....
Date of commencement of work .....

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
		1	21.0	5.2+5.20 / 2	x 0.025	= 2.73 cum	
		1	30.0	5.2+5.35 / 2	x 0.025	= 3.95 cum	
		1	30.0	5.35+5.30 / 2	x 0.025	= 3.99 cum	
		1	30.0	5.3+5.4 / 2	x 0.025	= 4.01 cum	
		1	30.0	5.4+5.4 / 2	x 0.025	= 4.05 cum	
		1	30.0	5.4+4.9 / 2	x 0.025	= 3.86 cum	
		1	7.50	4.9+4.9 / 2	x 0.025	= 0.91 cum	
		1	30.0	5.4+4.7 / 2	x 0.025	= 3.79 cum	
		1	30.0	4.7+4.3 / 2	x 0.025	= 3.38 cum	

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MEASUREMENT BOOK

Date	Full description, etc. of work	Dimensions: Number	Length	Breadth	Depth	Contents	Reference to last Measurement
1	2	3	4	5	6	7	8
		1 × 30.0 × (1.3+1.2)/2	× 0.025	= 3.19 cu.m			
		1 × 17.0 × (1.2+1.5)/2	× 0.025	= 1.85 cu.m			
		1 × 17.0 × (1.8+1.4)/2	× 0.025	= 2.01 cu.m			
		1 × 30.0 × (1.4+1.4)/2	× 0.025	= 2.30 cu.m			
						61.66 cu.m	
I-6	Carriage of mixed material 10 kms					@ 9631=11 Rs/-	59 3874=00
Cbd & Sf	Qty vide item no (5)					61.66 cu.m	
24/6/16						@ 56=16 / 63=39 Rs/-	3462=00
I-7	Disposal of debris to the final place of disposal with all lead & lift complete as per specification Qty vide item no (1)					863.27 cum @ 72=71 Rs/-	62768=00

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Measurement Book

No. B 341611

Serial No. .....
Name of Work ..... From..... To.....
Name of Contractor of nature of Agency .....
Date of commencement of work .....

Date	Full description, etc. of work	Dimensions: Number	Length	Breadth	Depth	Contents	Reference to last Measurement
1	2	3	4	5	6	7	8
	Total Amount:-		17 715 76 = 00.				
	Ravi. N.C. KRIDL Idtl/. :-		1948 73 = 00			177157	
	.. 24/6/16.		1966449 = 00			1948733 = 00	
	certificate						
	1) certified that contractor has done the work satisfactory.						
	2) certified that there is 3 due work from contractor side.						
	3) certified that contractor has removed all debris from work spot.						
	Ravi. N.C. .. 24/6/16.					24/6/2016	

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MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	Audited and found correct Rs 1948733= Passed by Cheque for Rs 1694416=1683476= (..... ..... by adjustment Rs ..... Accounts Superintendent B.B.M.P Hegganahalli Division Executive Engineer						

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